

DUAL CONTROL VOLTAGE PROCESSOR MODEL 257**BILL OF MATERIALS REV 2.1****SEMICONDUCTORS**

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
1N457	D1, D2, D3, D4	4		512-1N457
TL074	IC1, IC4, IC5, IC7	4		595-TL074CN
LM339	IC2	1		595-LM339N
CD4066	IC3, IC6	2		595-CD4066BE
2N3904	Q1, Q2	2		610-2N3904

CAPACITORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
15uF	C18, C20, C21	3	ELECTROLYTIC 2MM LS	667-EEA-GA1E150
100pF	C1, C10	2	CERAMIC 5MM LS	581-SA102A101J
220pF	C4, C9, C12, C17	4	CERAMIC 5MM LS	581-SA101A221JAR
470pF	C3, C11	2	CERAMIC 5MM LS	581-SA101A471JAR
1000pF	C5, C6, C7, C8, C13, C14, C15, C16	8	CERAMIC 5MM LS	581-SA105A102JAR
0.1uF	C19, C22, C23, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11	14	CERAMIC 5MM LS	581-SA105E104M
1.5nF	C2	1	FILM 5MM LS	80-MMK5152J100J01L4

RESISTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
680R	R19, R56, R91	3	1% 1/4W	271-680-RC
1K	R33, R43, R71, R81	4	1% 1/4W	271-1K-RC
1K5	R40, R77	2	1% 1/4W	271-1.5K-RC
3K3	R6	1	1% 1/4W	271-3.3K-RC
4K7	R17, R34, R37, R59, R72, R73	6	1% 1/4W	271-4.7K-RC
6K8	R12, R41, R78	3	1% 1/4W	271-6.8K-RC
10K	R8, R11, R13, R15, R52, R54, R55, R92	8	1% 1/4W	271-10K-RC
15K	R2, R4, R10, R16, R27, R28, R29, R50, R65, R66, R67	11	1% 1/4W	271-15K-RC
20K	R31, R47, R74, R86	4	1% 1/4W	271-20K-RC
22K	R18, R23, R60, R63	4	1% 1/4W	271-22K-RC
33K	R1, R20, R38, R39, R57, R75, R76, R89, R90	9	1% 1/4W	271-33K-RC
47K	R3	1	1% 1/4W	271-47K-RC
49K9	R14, R24, R25, R30, R35, R36, R44, R48, R49, R62, R68, R69, R79, R80, R85, R87, R88	17	1% 1/4W	271-49.9K-RC
68K	R7, R9, R26, R32, R45, R51, R53, R64, R70, R83	10	1% 1/4W	271-68K-RC
100K	R22, R46, R61, R84	4	1% 1/4W	271-100K-RC
150K	R5	1	1% 1/4W	271-150K-RC
200K	R42, R82	2	1% 1/4W	271-200K-RC
680K	R21, R58	2	1% 1/4W	271-680K-RC
500K	TR1, TR2	2	SINGLE TURN	652-3362P-1-504LF
10K-100K LIN	POT1, POT2, POT3, POT4, POT5, POT6	4	16MM	http://smallbear-electronics.mybigcommerce.com/alpha-single-gang-16mm-right-angle-pc-mount/

MISC

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
SPDT ON-ON	SW1, SW2	2	TOGGLE SWITCH	633-M201201
	LED1, LED2	2	RED 3MM LED	630-HLMP-K101
	B1, B2, B3, B4, B5, B6, B7, B8, B9, B10	10	BANANA JACK BLACK	530-108-0903-1
		1	POWER CONNECTOR	587-306-50-010
		6	SMALL DAVIES KNOB	5164-1610AA
		2	BLACK SWITCH CAP	